

Mo-Cu, Ag, Au



C.A. 1980, 93, N20.

DTIC 4598

1971

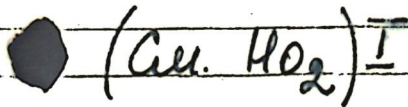
HoAg
HoAu

Cocke D.L.,
Gingerich K.A.

Do

J. Phys. Chem., 1971,

75, n 21, 3264.



Ommuck 4652

1972

Gingerich K.A.,
Chimua, 1972, 26, N 62
Do (Ho - Au)

HoA₁

Bp-5398-VIII

1972

HoA₂

Bingerich K. A

(Do)

Chem. Phys. Lett

1972, 13, 262-65

(see. L₁A₂, 1)

Ho Au

X 45-8091

1974

Korchi's J.
Gingerich K.A.

(Do)

"J. Chem Phys" 1974, 61
N 12, 5114-5121 (auai)

(au Au₂; I)

Alle Mo

1979

Fingerich K.A.

reepneel
atomey.

U.S. Dep. Commer. Nat.
Bur. Stand. Spec. Publ.
1979, N 561/1, 289-300

• Cu Ti N ; III

H₂ Cu

1979

Hilpert K.

(Do, A.P.)

Ber. Bunsenges. Phys. Chem.,
1979, 83(2), 161-4.

(Cu_2 ; III)

AgMo

1980

Gingerich K.A.,

Current Topics in Materials
Science, Volume 6, edited
by Kaldes E.

Do; North-Holland Publishing
Company, 1980.

(есть оттиск в коробке оттисков
Gingerich).

MoCu

1981

Hilpert R.

Do Ber. Kernforschung-
sanlage Juelich 1981,
JUEL-1744, 272pp.

(cu. Cu₂ ; III)

AgHo

2001

135: 99111c Formation of mixed d- and f-block metal clusters in inert matrixes: comparison of the observed and theoretical optical spectra of AgHo. Klotzbucher, W. E.; Petrukhina, M. A.; Nemukhin, A. V.; Ermilov, A. Y.; Grigorenko, B. L. (Max-Planck-Institut für Strahlenchemie, D-45470 Mulheim a.d. Ruhr, Germany). *Spectrochim. Acta, Part A* 2001, 57A(5), 1093-1101 (Eng). Elsevier Science B.V. The UV-visible spectra obtained after simultaneous cocondensation of Ag and Ho atoms with Ar matrixes at 9 K were studied at 200-800 nm. While no new feature can be obsd. upon deposition, selective irradiation into both Ag or Ho at. absorptions results in growth of a new band at 430 nm, assocd. with formation of a mixed Ag-Ho species, tentatively assigned as AgHo. To support the assignment of the obsd. bands ab initio quantum chem. calcns. were carried out for the dinuclear

(checkmp)

C. A. 2001, 135, N7.



and trinuclear Ag and Ho species, using pseudopotential approaches. Results for the electronic excitation energies and corresponding transition dipole moments for the diat. mols. Ag_2 , Ho_2 , AgHo provide evidence that the 430 nm band should be attributed to the mixed cluster AgHo (theor. band position at 436 nm), while the doublets at 498/504 and 558/563 nm belong to the homonuclear species Ho_2 (theor. values are at 482 and 562 nm). First conclusions are drawn with respect to the formation of the metal trimers Ho_3 , Ag_2Ho , AgHo_2 .

